

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	397247	((("415") or ("60") or ("123"))).CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/02/13 23:34
L2	397247	L1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/02/13 23:34
L3	1	2 and "outer ring".dm. and decoupl\$3.d.m. and "nozzle ring".dm. and turbocharg\$3.d.m.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/02/13 23:35
L4	2	2 and decoupl\$3.d.m. and "nozzle ring".dm. and turbocharg\$3.d.m.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/02/13 23:35
L5	2	("2007/0130943").URPN.	USPAT	OR	ON	2011/02/13 23:36
S1	65089	("415").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/26 09:18
S2	118	S1 and (turbo or turbocharg\$4).ab. and ((geometry.ab. or (nozzle with (vari\$5 or vary\$5)). ab.) or (vgt or vnt).ab.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 09:21
S3	96	S2 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 09:22
S4	73	S3 and (space or spacing or spaced or clearance or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 09:23

S5	65089	("415").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/26 11:12
S6	118	S5 and (turbo or turbocharg\$4).ab. and ((geometry.ab. or (nozzle with (vari\$5 or vary\$5)).ab.) or (vgt or vnt).ab.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 11:12
S7	96	S6 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 11:12
S8	55	S7 and ((space or spacing or spaced or clearance or gap) same ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 11:12
S9	7213	((60/605.1-612) or (123/559.1-566)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/26 15:50
S10	107	S9 and (turbo or turbocharg\$4).ab. and ((geometry.ab. or (nozzle with (vari\$5 or vary\$5)).ab.) or (vgt or vnt).ab.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 15:51
S11	19	S10 and ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 15:51
S12	13	S11 and (space or spacing or spaced or clearance or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/02/26 15:52
S13	1	("2007/0130943").URPN.	USPAT	OR	ON	2009/02/26 15:52

S14	26	(US-20060216141-\$ or US-20070071595-\$ or US-20060233640-\$ or US-20040025504-\$ or US-20030170117-\$ or US-20030170116-\$ or US-20030079474-\$ or US-20020187061-\$ or US-20060096287-\$).did. or (US-7490470-\$ or US-7458764-\$ or US-7431560-\$ or US-7406826-\$ or US-7399156-\$ or US-7396204-\$ or US-7351042-\$ or US-7207176-\$ or US-7150151-\$ or US-7024855-\$ or US-6925806-\$ or US-6925805-\$ or US-6739134-\$ or US-6314736-\$ or US-5441383-\$ or US-5207565-\$ or US-5025629-\$).did.	US-PGPUB; USPAT	OR	ON	2009/02/26 15:57
S15	249	("20010013339"   "20010017032"   "20020098081"   "20020119042"   "20020136630"   "20020168262"   "20020170287"   "20030077167"   "20030182940"   "20030194333"   "20040081567"   "20040159098"   "20040244372"   "20040261413"   "20050011192"   "20050169748"   "20050252210"   "20060034684"   "20060062663"   "20060134455"   "20070130943"   "2037395"   "2306742"   "2336010"   "2341974"   "2428830"   "2431398"   "2739782"   "2874642"   "2996996"   "3033519"   "3043636"   "3056634"   "3068638"   "3079127"   "3096126"   "3137477"   "3218029"   "3232043"   "3270495"   "3292092"   "3292364"   "3303994"   "3383092"   "3390926"   "3408046"   "3423926"   "3495921"   "3557549"	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/26 15:58

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"3734650"	"3749513"
"3811741"	"3930747"
"3941499"	"3993370"
"3994620"	"4097188"
"4107927"	"4147467"
"4169354"	"4177005"
"4209207"	"4242040"
"4256441"	"4292807"
"4300869"	"4364717"
"4367626"	"4370106"
"4403914"	"4419046"
"4499732"	"4502836"
"4521155"	"4557665"
"4557704"	"4565505"
"4586336"	"4641977"
"4642026"	"4653275"
"4657476"	"4659295"
"4676717"	"4679984"
"4719758"	"4770603"
"4776168"	"4804316"
"4835963"	"4836747"
"4880351"	"4927325"
"5044880"	"5050376"
"5116197"	"5146752"
"5214920"	"5231831"
"5441383"	"5452986"
"5454225"	"5522697"
"5564895"	"5600956"
"5747428"	"5758500"
"5769602"	"5851104"
"5851659"	"5855117"
"5868552"	"5947681"
"6050775"	"6055288"
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"6203272"	"6256991"
"6269643"	"6276139"
"6314735"	"6401457"
"6418719"	"6471470"
"6523345"	"6543994"
"6558117"	"6594996"
"6609372"	"6619261"
"6625986"	"6652224"
"6669442"	"6672059"
"6679057"	"6682321"
"6687601"	"6694733"
"6715288"	"6736595"
"6739134"	"6763587"
"6779971"	"6851256"
"6916153"	"6932565"
"7001142"	"7024855"
"7097432"	"7189058"
"7322791").FN. OR	
("2002/0187061"	
"2003/0079474"	
"2003/0170116"	

		"2003/0170117"   "2004/0025504"   "2006/0096287"   "2006/0216141"   "2006/0233640"   "2007/0071595"   "5025629"   "5207565"   "5441383"   "6314736"   "6739134"   "6925805"   "6925806"   "7024855"   "7150151"   "7207176"   "7351042"   "7396204"   "7399156"   "7406826"   "7431560"   "7458764"   "7490470").URPN.				
S16	16	"270384"	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/26 16:13
S17	27	"270384"	EPO; DERWENT	OR	ON	2009/02/26 16:13
S18	2	("4907952").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/02/26 16:51
S19	7584	((60/605.1-612) or (123/559.1-566)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/18 23:01
S20	113	S19 and (vgt "variable geometry" vnt "variable nozzle").ab. and (turbo turbocharg\$3 compressor turbine).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/18 23:01
S21	20	S19 and (vgt "variable geometry" vnt "variable nozzle").ab. and (turbo turbocharg\$3 compressor turbine).ab. and (vane same ring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/18 23:05
S22	0	("2008/0260520").URPN.	USPAT	OR	ON	2010/06/18 23:06
S23	0	("2007/0214788").URPN.	USPAT	OR	ON	2010/06/18 23:07
S24	2	("5214920").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/18 23:08

S25	2	("0270384").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/18 23:09
S26	2	("0270384").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/18 23:10
S27	0	("270384a").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/06/18 23:10
S28	0	("0270384").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S29	0	("270384A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S30	0	("EP270384A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S31	0	("EP270384A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S32	0	("270384A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S33	0	("0270384").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S34	0	("0153679").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:11
S35	0	("0571205").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:12
S36	0	("571205A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:12
S37	0	("EP571205A").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:12
S38	0	("0571205").PN.	FPRS; EPO; JPO	OR	OFF	2010/06/18 23:12
S39	2	("4557665").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/18 23:13
S40	2	("5214920").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/18 23:24

S41	0	("2007/0214788").URPN.	USPAT	OR	ON	2010/06/18 23:30
S42	0	("2007/0175216").URPN.	USPAT	OR	ON	2010/06/18 23:33
S43	2	("2007/0130943").URPN.	USPAT	OR	ON	2010/06/18 23:33
S44	21	("20030170117"   "20040081567"   "20060062663"   "20070130943"   "20080075582"   "4657476"   "4685869"   "4804316"   "4809509"   "4907952"   "6558117"   "6824355"   "6951450"   "7121788"   "7189058"   "7303370"   "7322791"   "7351042"   "7364401"   "7431560").PN. OR ("7600379").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/18 23:33
S45	21	("2801043"   "2860827"   "3033519"   "4557665"   "4657476"   "4659295"   "4679984"   "4726744"   "4741666"   "4804316"   "4907952"   "5146752"   "5207565"   "5231831"   "5441383").PN. OR ("6951450").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/18 23:40
S46	24	("1816787"   "4658586"   "4770603"   "4893474"). PN. OR ("5146752"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/18 23:51
S47	21	("2801043"   "2860827"   "3033519"   "4557665"   "4657476"   "4659295"   "4679984"   "4726744"   "4741666"   "4804316"   "4907952"   "5146752"   "5207565"   "5231831"   "5441383").PN. OR ("6951450").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/18 23:53
S48	21	("2582916"   "3004806"   "3090544"   "3099385"   "4107927"   "4196910"   "4376617"   "4685869"   "4725206"   "4735556"   "4780054").PN. OR ("4907952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/18 23:54

S49	11	("2341974"   "3495921"   "4242040"   "4300869"   "4502836"   "4770603"   "5564895"   "5769602"   "5851104").PN. OR ("6925805").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/19 00:32
S50	4	("4300869").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/11/22 04:53
S51	397247	((("415") or ("60") or ("123")).CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2011/02/12 14:18
S52	174	S51 and ((exhaust near2 (disconnect\$3 decoupl\$3 detach\$4 touch\$3 separated separating spaced)) with (variable vgt nozzle vane vnt geometry))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/02/12 14:20
S53	21	S51 and ((exhaust near2 (disconnect\$3 decoupl\$3 detach\$4 touch\$3 separated separating spaced)) with (variable vgt nozzle vane vnt geometry)) and (turbocharger turbo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/02/12 14:22
S54	2	("2007/0130943").URPN.	USPAT	OR	ON	2011/02/12 14:23

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